BOOK NOTICES

LI, SHIYOU and DENT T. ADAIR. 1994. XI Shu. **A Promising Anti-tumor and Anti-viral Tree for the 21st Century.** (ISBN 0-938361-11-2, hbk.). The Tucker Center, College of Forestry, P.O. Box 6109, SFA Station, Nacogdoches, TX 75962, (409) 468-4600 voice; 409-468-1195 fax. $45.00. 268 pp., 18 color & 6 b&w photos, 6 × 9.

This book is a monograph about Xi Shu and camptothecins. It includes two parts. Part I includes two sections and 13 chapters of text: 1) **Camptothecins:** drug discovery history, comparisons with taxols, mechanisms of action, preclinical and clinical trials in cancer treatment, anti-viral activity, other uses, and drug sources; and 2) **Xi Shu:** botany, geography, ecology, reproduction, growth, protection, harvest, and further research. Part II is a bibliography of over 1,300 citations on Xi Shu and camptothecins worldwide.

The book also presents 18 color and 6 black and white photographs showing the tree growing in its natural range in China and as cultivated in the United States. In addition, there are 17 illustrations and maps.

A foreword is provided by Dr. Monroe E. Wall (Chief Scientists of the Research Triangle Institute, North Carolina), the discoverer of drugs camptothecin and taxol. And a preface is provided by Dr. Beppino C. Giovanella of Stehlin Foundation for Cancer Research.

HOPKINS, WILLIAM G. 1995. **Introduction to Plant Physiology.** (ISBN 0-471-54547-3, hbk.). John Wiley & Sons, Inc., 605 Third Avenue, New York, NY 10158, (212) 850-6336. $75.95. 464 pp. Illustrated.

"*Introduction to Plant Physiology* is a text for undergraduate students studying the subject of plant physiology for the first time. Like most texts, it has grown out of 30-years experience teaching plant physiology to undergraduate students. It assembles and explains, in a narrative format, underlying concepts of plant physiology within a framework of historical origins and modern approaches. The text assumes that the student has completed a first course in botany (or biology with a strong botanical component) and chemistry. It is a appropriate for a one-semester course in plant physiology for general students, and as a first course for those interested in advanced study in plant physiology, environmental plant physiology, or physiological plant ecology." The chapers include: 1) Introduction: The Organization of Plants and Plant Cells; 2) Plant Cells and Water; 3) Water Relations of the Whole Plant; 4) Plants and Inorganic Nutrients; 5) Roots, Soils, and Nutrient Uptake; 6) Plants and Nitrogen; 7) Light and Pigments: An Introduction to Phytobiology; 8) Leaves and Photosynthesis; 9) Bioenergetics and the Light-Dependent Reactions of Photosynthesis; 10) Photosynthesis: Carbon Metabolism; 11) Translocation and Distribution of Photoassimilates; 12) Cellular Respiration: Retrieving the Energy in Photoassimilates; 13) Carbon Assimilation and Productivity; 14) Regulation of Plant Development; 15) The Role of Hormones in Plant Development; 16) Biochemistry and Mode of Action of Hormones; 17) Photomorphogenesis—Responding to Light; 18) Plant Movements—Orientation in Space; 19) Measuring Time: Photoperiodism and Rhythmic Phenomena; 20) Temperature and Plant Development; 21) The Physiology of Plants Under Stress; and 22) Plant Physiology and Biotechnology.